

FIG. 4

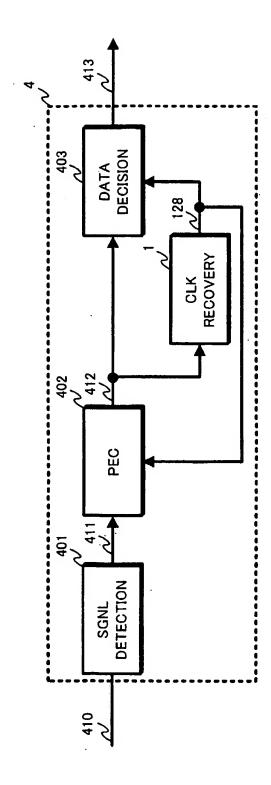


FIG. 5

BIT Xn Xn+1	PHASE TRANSITION
1 1	-3π/4
0 1	3π/4
0 0	π/4
1 0	-π/4

FIG. 6

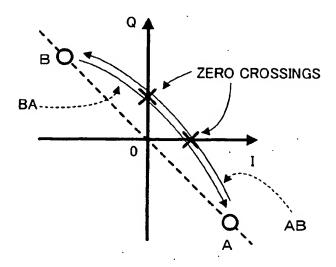
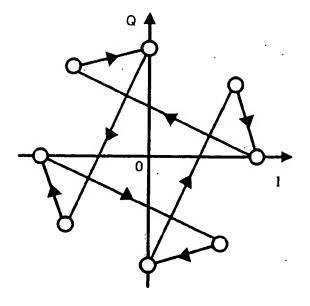
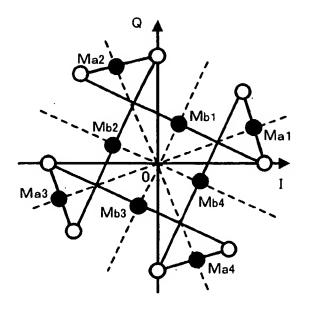


FIG. 7



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FIG. 8



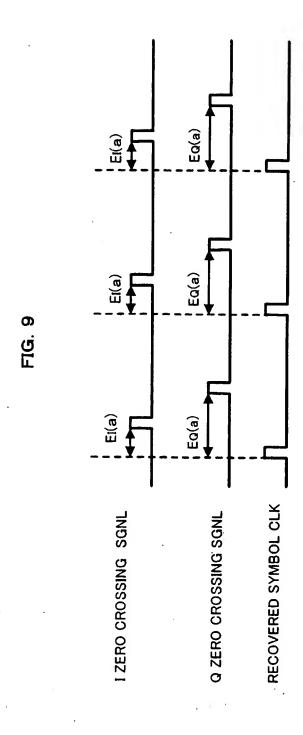


FIG. 10

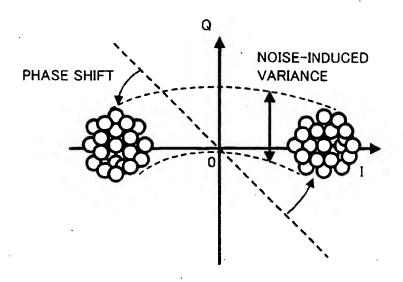
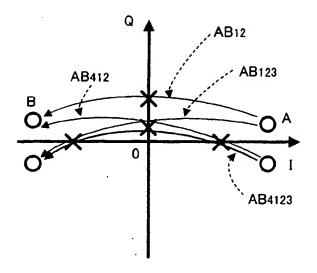
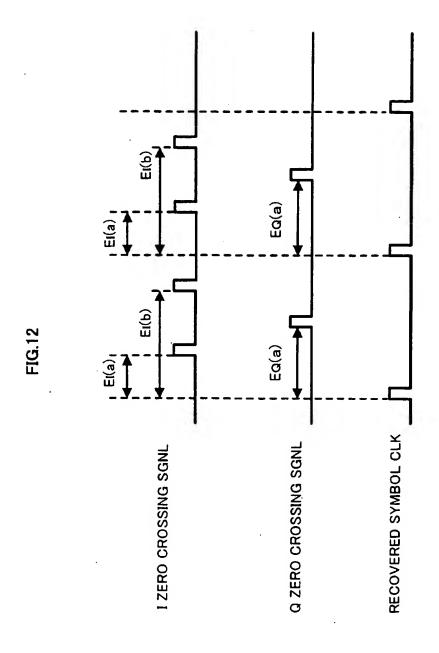
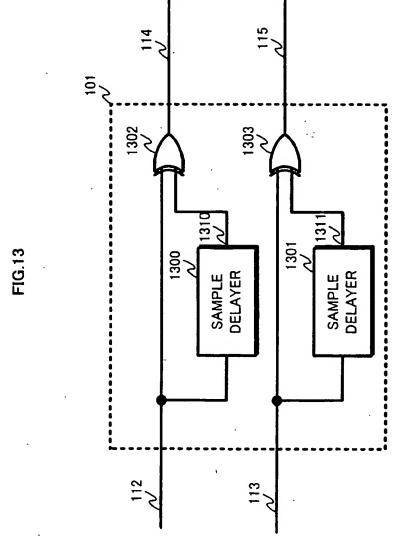
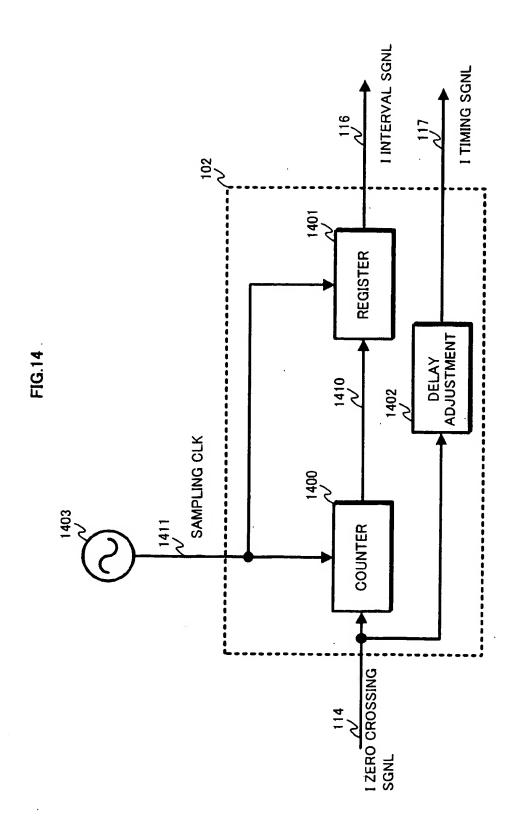


FIG. 11

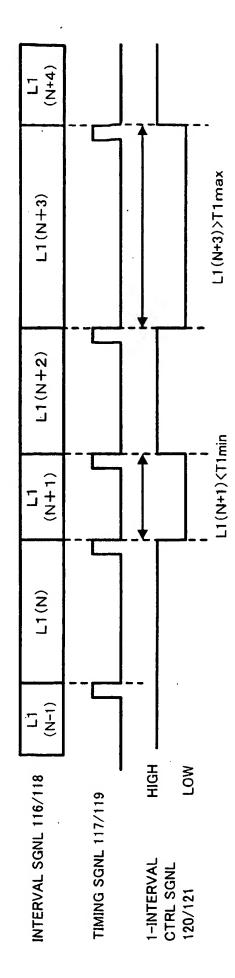


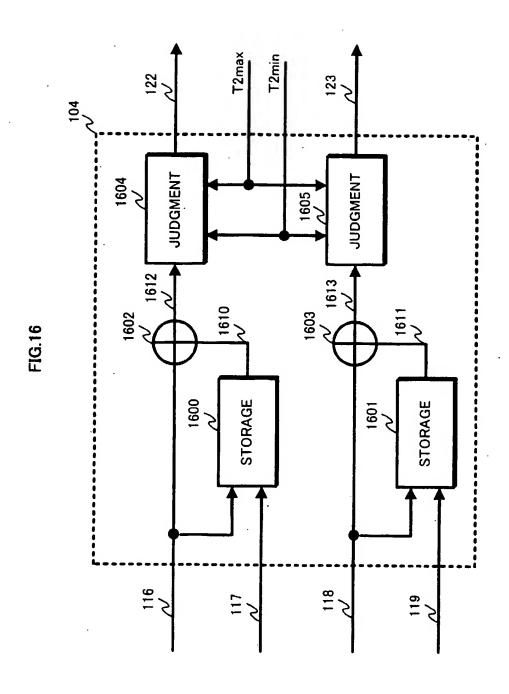




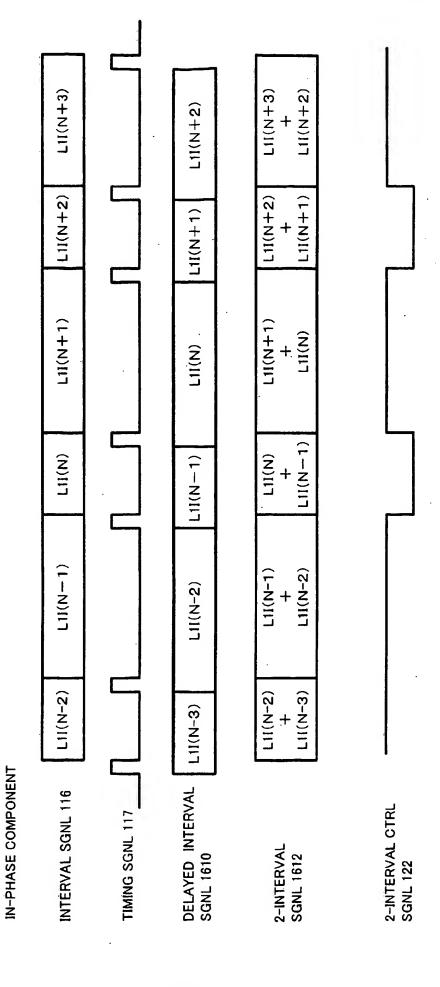


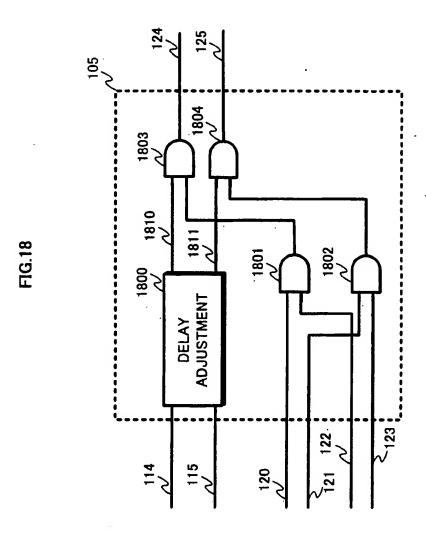


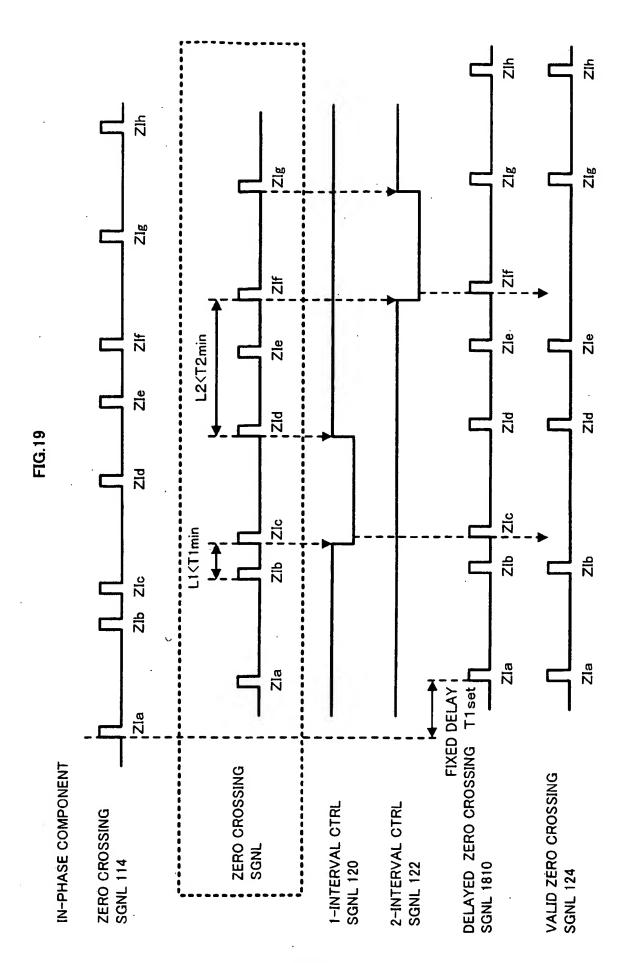




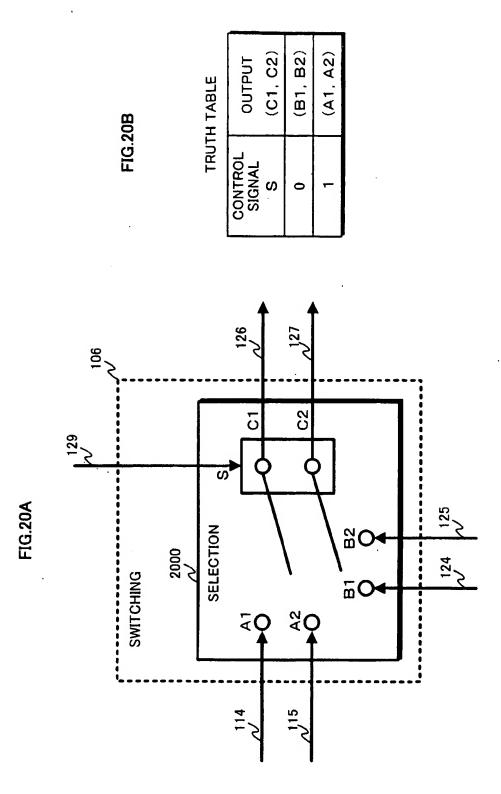








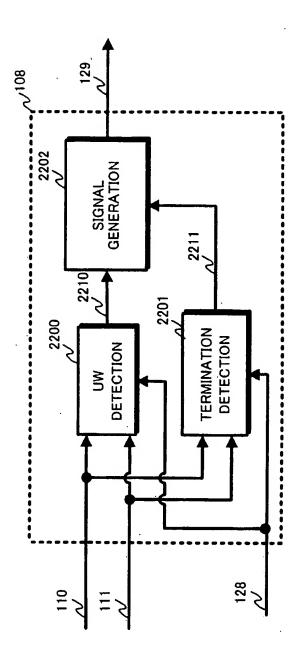
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PEC

FIG.2

FIG.22



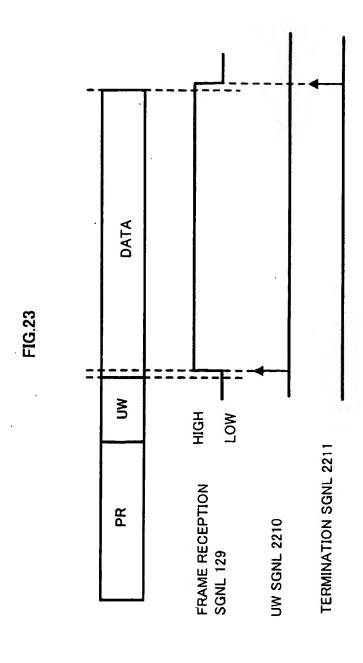
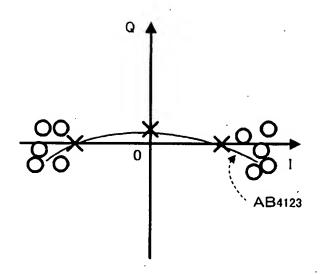
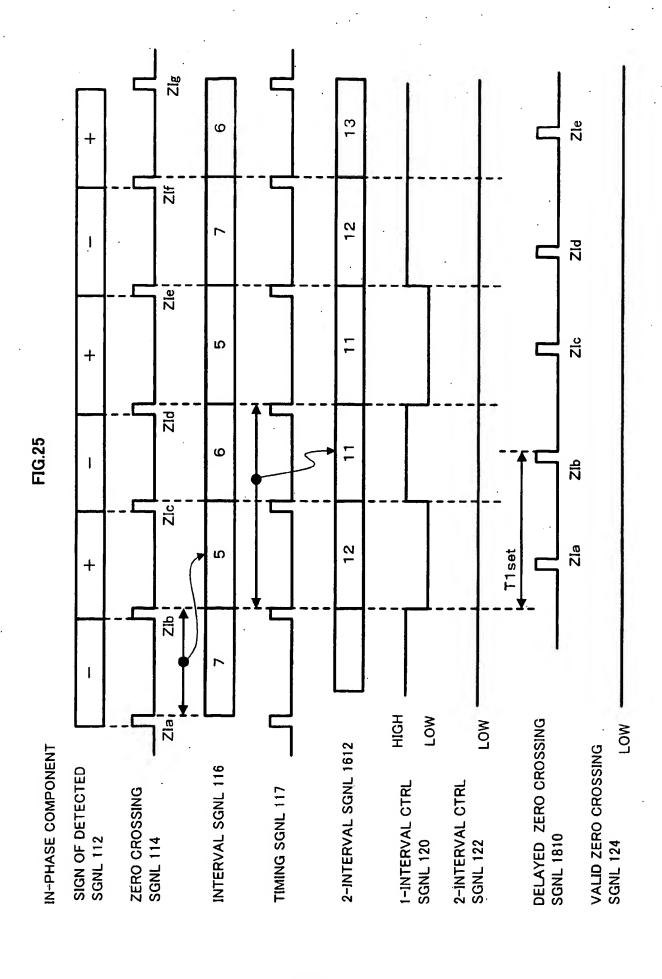
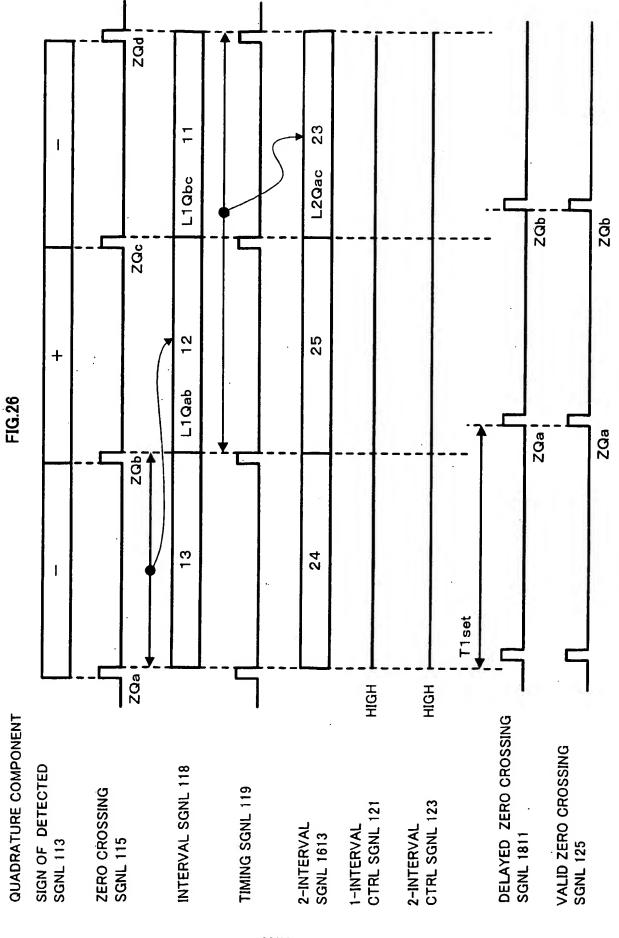
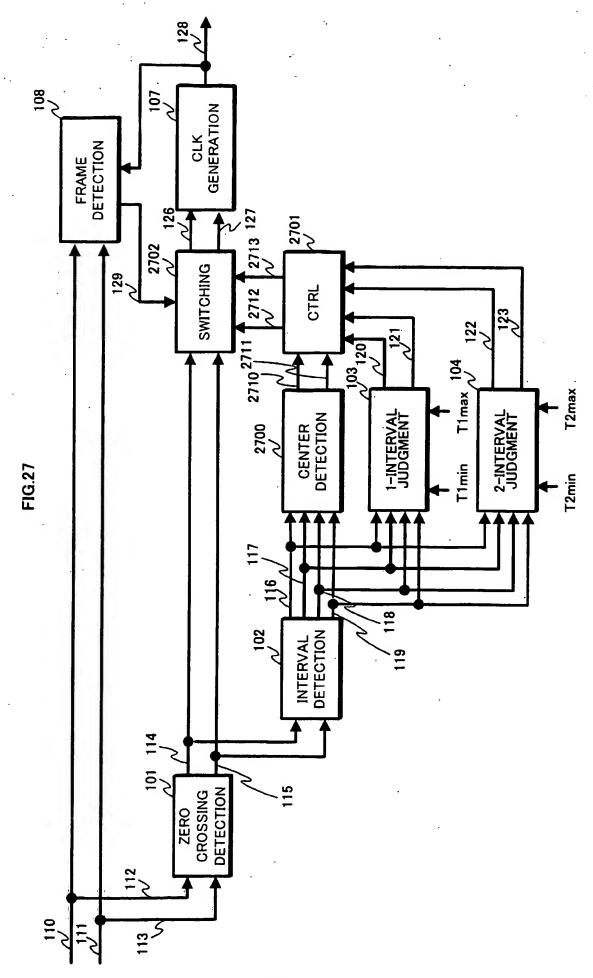


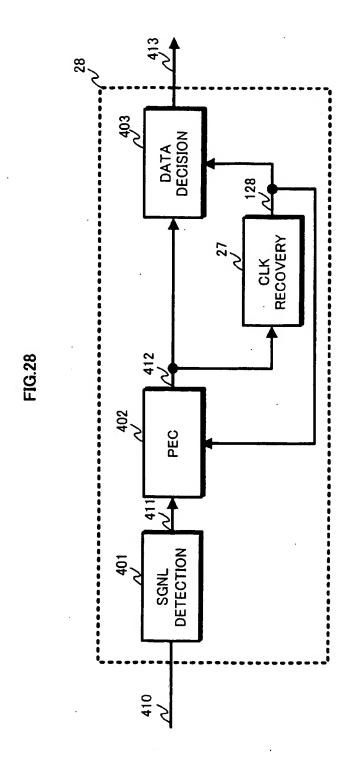
FIG.24

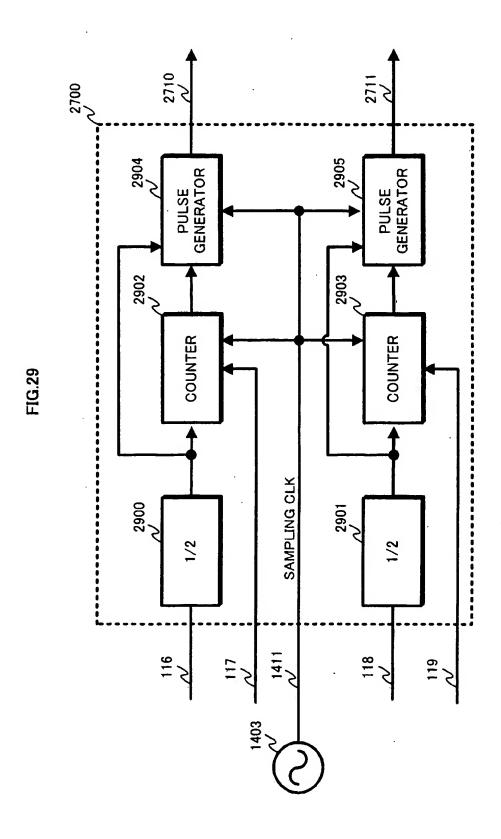


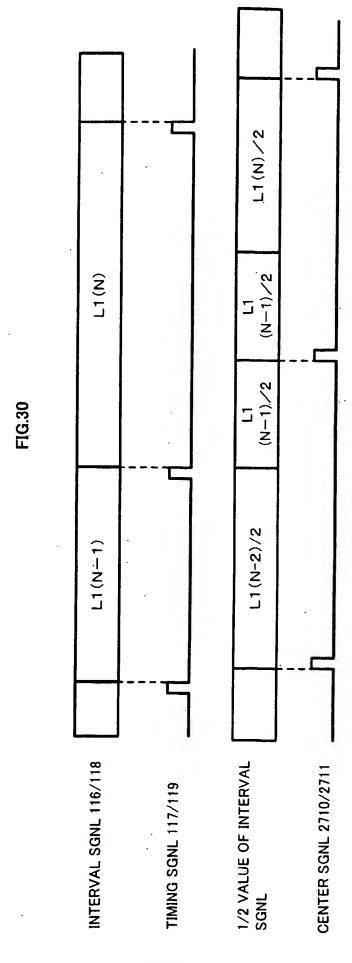


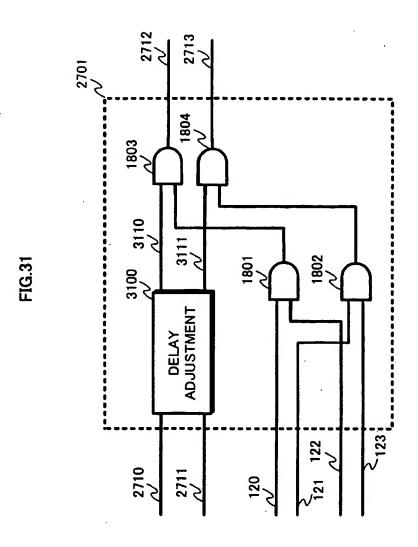












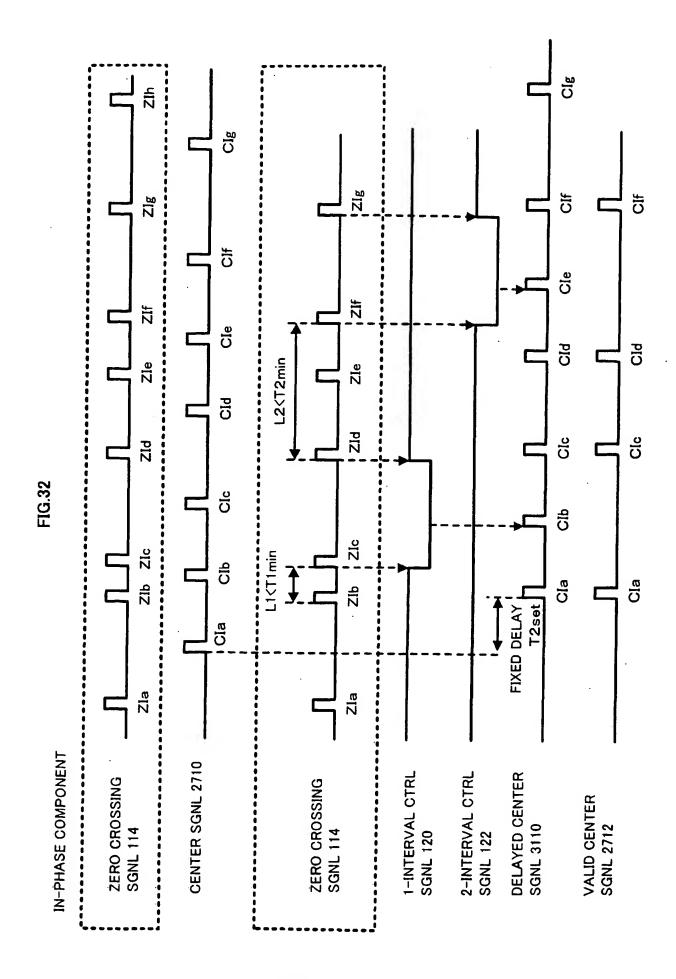


FIG.33

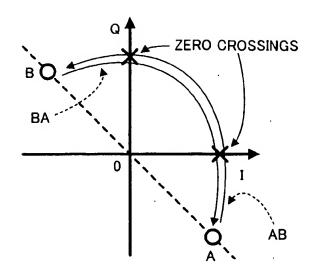
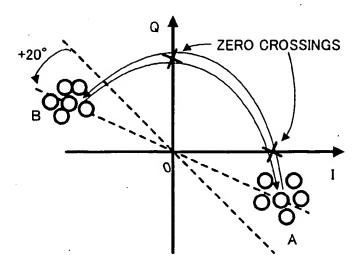
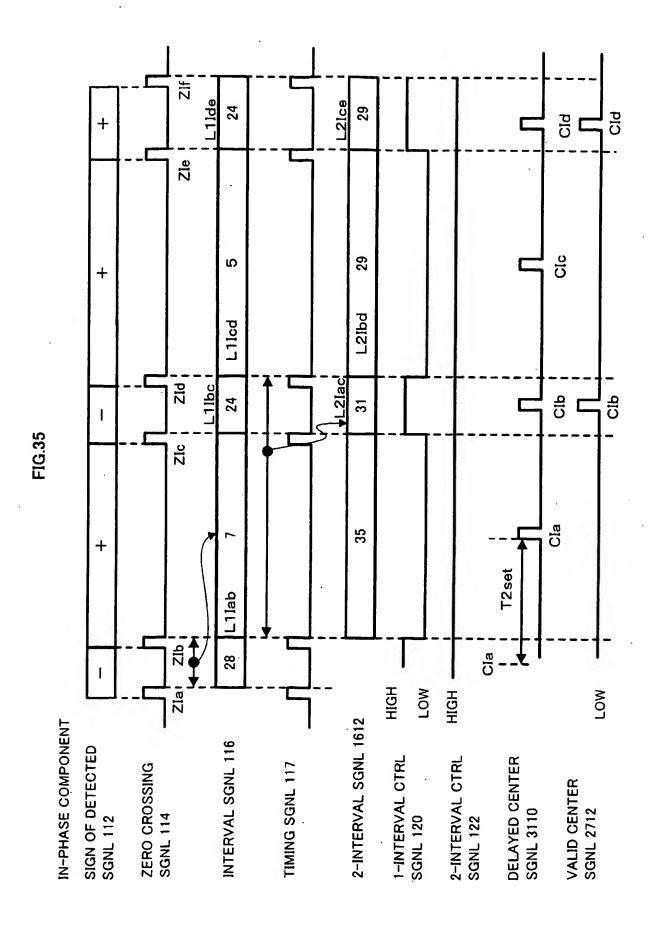
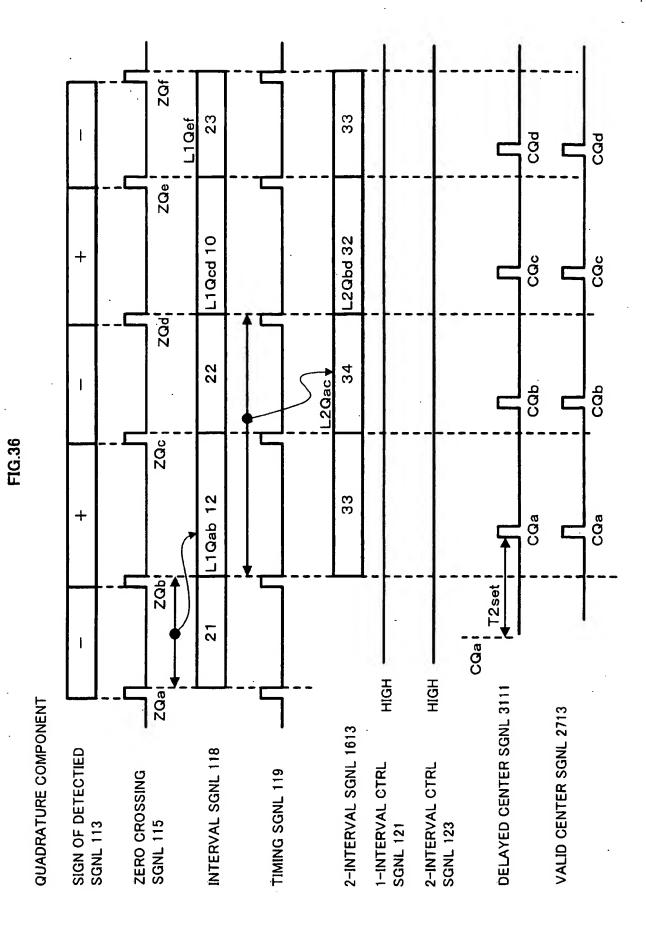
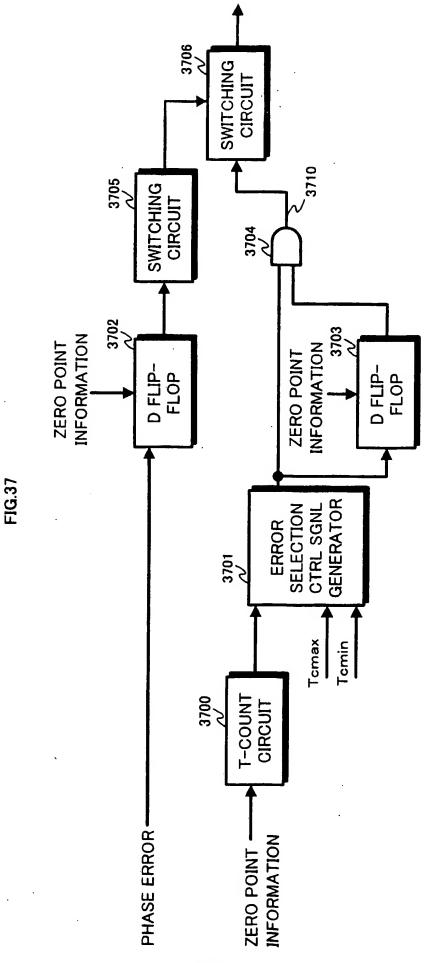


FIG.34





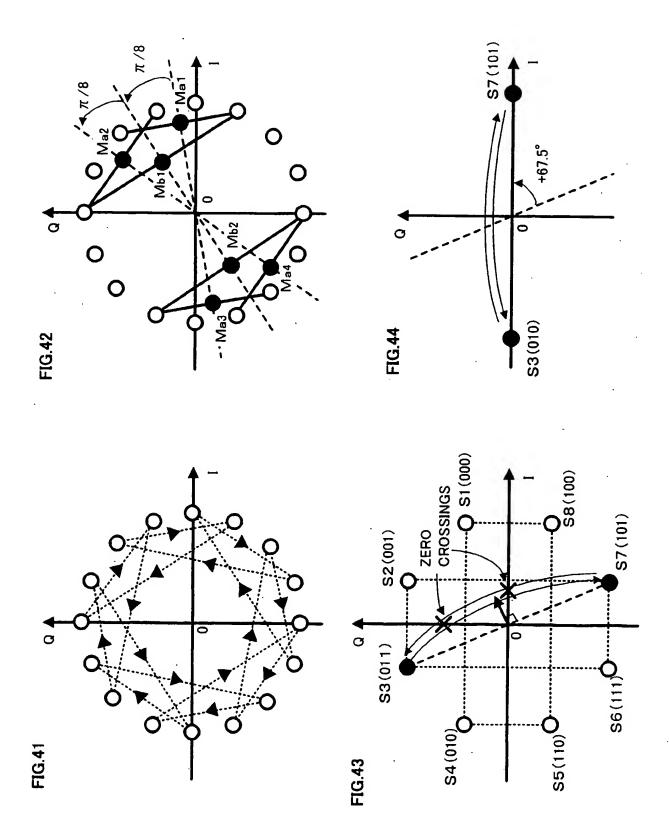




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FIG.39

PHASE TRANSITION $-5\pi/8$ $3\pi/8$ $5\pi/8$ 7 m /8 -7 m /8 $-3\pi/8$ $-\pi/8$ $\pi/8$ BIT Xn Xn+1 Xn+2 000 010 100 0 0 1 1.0.1 S3 \$2 **S4** 88 S 27



PHASE TRANSITION AB4123 BIT X 0 FIG.46 NOISE-INDUCED VARIANCE o O FIG.45 FIG.47

FIG.50

 BIT
 PHASE

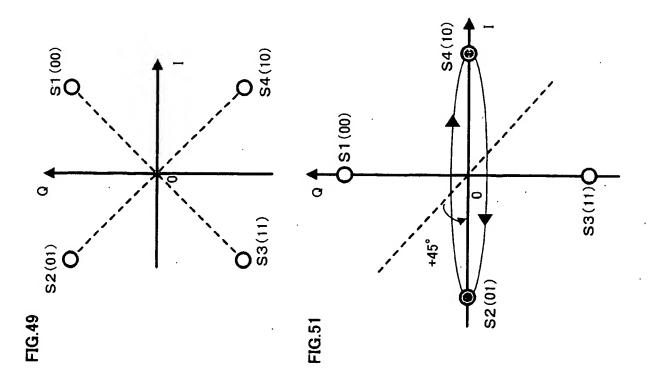
 Xn Xn+1
 TRANSITION

 S1
 0 0
 $\pi/4$

 S2
 0 1
 $3\pi/4$

 S3
 1 1
 $-3\pi/4$

 S4
 1 0
 $-\pi/4$



PHASE TRANSITION $2\pi/4$ $3\pi/4$ $-3\pi/4$ -2π/4 **-** π /4 $\pi/4$ 0 ĸ Xn Xn+1 Xn+2 000 0 1 0 0 0 1 101 100 BIT 83 SS **S**2 84 Se 88 S 87

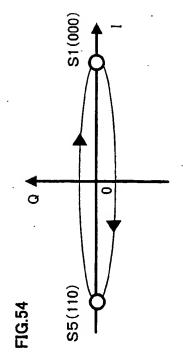


FIG.53

